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FIGURE 1A

SEQ ID NO: 29	MSGAVLVAAIAAAGVNLQGWDNATIAGAVLYIKKEFNLESPSVEGLIVAMSLIGATLIT
SEQ ID NO: 2	MGGAVMVAIAAASIGNLLQGWDNATIAGAVLYIKKEFNLQSEPLIEGLIVAMFLIGATVIT
SEQ ID NO: 4	MAGAVLVAAIAAASIGNLLQGWDNATIAGAVLYIKKEFNHSDPLIEGLIVAMSLIGATIIT
SEQ ID NO: 6	-----
SEQ ID NO: 8	MKGAVLVAAIAAASIGNFLQGWDNATIAGANGYIKKDALGTT--MERLVVGMSLIGATVIT
SEQ ID NO: 10	-----
SEQ ID NO: 12	MSGAAIVAAIAAASIGNLLQGWDNATIAGAVLYIKKEFQLENNPTVEGLIVA-----
SEQ ID NO: 14	-----
SEQ ID NO: 16	-----
SEQ ID NO: 32	MSGAVLVAAIVASIGNLLQGWDNATIAAAVLYIKKEFQLQNEPTVEGLIVSMSLIGATIVT
SEQ ID NO: 37	MAGAVLVAAIAAASIGNLLQGWDNATIAGAVLYIKKEFNLQSEPLIEGLIVAMSLIGATIIT
SEQ ID NO: 29	TCSGGVADWLGRRRPMLILSSILYFVGLVMLWSPNVVYVLLGRLLDGFVGLVVTLPVIY
SEQ ID NO: 2	TSPGPRADCVGRRRPMLVASAVLYFVSGLVMLWAPIVYIILLARLIDGFGIGLAVTLVPPLY
SEQ ID NO: 4	TXS-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	TCSGPIADWLGRRRPMMIISVLYFLGGLVMLWSPNVVYVLCARLLDGFGLAVTLVPVY
SEQ ID NO: 10	-----
SEQ ID NO: 12	-----
SEQ ID NO: 14	-----
SEQ ID NO: 16	-----
SEQ ID NO: 32	TFSGPLSDSIGRRRPMLILSSILYFFSGLIMLWSPNVVYVLLARFVDGFGIGLAVTLVPPLY
SEQ ID NO: 37	TFSGAVADSFGRRRPMLIASAVLYFVSGLVMLWAPNVVYVLLARLIDGFGIGLAVTLVPPLY

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FIGURE 1B

SEQ ID NO: 29	ISCTAP-PEIRGLLNTLPQFTG-SGGMFLSYCMVFGMSLMPSPSWRLMLGVLFIPSLVFF
SEQ ID NO: 2	ISCTAPHRXSWGXXNTLPQFIGVXGGMFLSYCMVFGMSLMPKPDWRLMLGVLSIPSLXYF
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	ISCTAP-SEIRGSLNTLPQFSG-SGGMFLSYCMVFGMSLSPAPSWRLMLGVLSIPSLIYF
SEQ ID NO: 10	-----
SEQ ID NO: 12	-----
SEQ ID NO: 14	-----
SEQ ID NO: 16	-----SWK-----
SEQ ID NO: 32	ISEIAP-SEIRGLLNTLPQFSG-SGGMFLSYCMVFGMSLSPDWRLMLGVLAIPSLFFF
SEQ ID NO: 37	ISCTAP-TDIRGLLNTLPQFSG-SGGMFLSYCMVFGMSLMPQPDWRLMLGVLSIPSLIYF
SEQ ID NO: 29	FLTVFFLPESPRWLVS KGRMLEAKRVLQRLRGREDVSGEMALLVEGLGIGGETTIEEYII
SEQ ID NO: 2	GLTVFYLPESPRWLVS KGRMAEAKRVXQRLRGREDVSEXALLVEGLGVGKDTRIXEYII
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	ALTIFFLPESPRWLVS KGRMLEAKKVLQRLRGREDVSGEMALLVEGLGIGGDTSEIEYII
SEQ ID NO: 10	-----DPSR-----
SEQ ID NO: 12	-----
SEQ ID NO: 14	-----
SEQ ID NO: 16	-----
SEQ ID NO: 32	GLTIFYLPESPRWLVS KGRMAEAKKVLQRLRGKDDVSGELSLLEGLGVGDTSEIEYII
SEQ ID NO: 37	ALTIIFYLPESPRWLVS KGRMAEAKRVLQRLRGREDVSGEMALLVEGLGVGKDTKIEEYII

FIGURE 1C

SEQ ID NO: 29	GPADEVTDHDDIAVDKDKQIKLYGAEEGLSWARPVKG---GSTMSVLSRHGSTMRRQ
SEQ ID NO: 2	GPATEAADDLVTDGDKQITLYGPEEGQSWIARPSKGPIMLGSVLSASRHGS-MVNQSV
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	GPADDVADGHEHATEKDKIRLYGSQAGLSWLSKPVGTQ---SSIGLASHHGS-IINQSM
SEQ ID NO: 10	-----EKDQIKLYGPEEGQSWARPVAGP---NSVGLVSRKGS-MANPS-
SEQ ID NO: 12	-----
SEQ ID NO: 14	-----
SEQ ID NO: 16	-----
SEQ ID NO: 32	GPATEAADDLVTDGDKQITLYGPEEGQSWIARPSKGPIMLGSVLSASRHGS-MVNQSV
SEQ ID NO: 37	GPDDDELADDEGLAP-DPEKIKLYGPEEGLSWARPVHGQSAALGLISRHGS-MVSQ GK
SEQ ID NO: 29	SLIDPLVTLFGSVHEKMPDT---GSMRSALFPHFGSMFSVGGNQPRHEDWDEENLVGEGE
SEQ ID NO: 2	PLMDPIVTLFGSVHENMPQAG--GSMRSTLFPNFGSMFSVTDQAKNEQWDEENLHRDDE
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	PLMDPLVTLFGSIHEKLPETGARGSMRSTLFPNFGSMFSTAEPHAKIEQWDEESLQRERE
SEQ ID NO: 10	SLVDPLVTLFGSVHEKLPETG-----STLFPHFGSMFSVGGNQPRNEDWDEESLAREGD
SEQ ID NO: 12	-----
SEQ ID NO: 14	-----
SEQ ID NO: 16	-----
SEQ ID NO: 32	PLMDPIVTLFGSVHENMPQAG--GSMRSTLFPNFGSMFSVTDQAKNEQWDEENLHRDDE
SEQ ID NO: 37	PLVDPEVVTTLFGSVHEKMPIM--GSMRSTLFPNFGSMFSVAEQQAQAKGDWDAES-QREGE

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FIGURE 1D

SEQ ID NO: 29	DYPSDH-GDDSEDDLHSP LISRQTTSME-KDMPHTAH--GTLSTFRHGSQVQAQGEAG
SEQ ID NO: 2	EYASDGAGGDYEDNLHSP LLSRQATGAEGKDIVHHGHRGSALS-MRRQSLL-GEGGDGVS
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	DYMSDATRGSDDDLHSP LISRQTTSLE-KDLPPPSHG SILGSMRRHSSLMQGSGEQGG
SEQ ID NO: 10	DYVSDA--GSDDDLQSP LISRQTTSLD-KDIPPAH--SNLASMRQGSLLHGNSGEPTG
SEQ ID NO: 12	-----
SEQ ID NO: 14	-----EGGEAVS
SEQ ID NO: 16	-----
SEQ ID NO: 32	EYASDGAGGDYEDNLHSP LLSRQATGAEGKDIVHHGHRGSALS-MRRQTLL-GEGGDGVS
SEQ ID NO: 37	DYGSDHGGDDIEDSLQSP LISRQATSVEGKEIA--APHGSIMGAVGRSSSL-MQGGEAVS
SEQ ID NO: 29	SMGIGGGWQVAVKWTEREDESGQKEEGF-----PGSRRGSIVSLPGDGT--GEA
SEQ ID NO: 2	STDIGGGWQLAWKWS EKEGEGENRKEGGFKRVIYLHQEGVPGSRRGSIVSLPGGDDVLEG-S
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----VLTLL-----
SEQ ID NO: 8	STGIGGGWQLAWKWT DK-GEDGKQGGFKRIY LHEEGV SASRRGSIVSIPGEG-----
SEQ ID NO: 10	STGIGGGWQLAWKWS EREGPDGKKEGGFKRIY LHQDGGSGRRGSVVS LPPGD--LPTDS
SEQ ID NO: 12	-----
SEQ ID NO: 14	STGIGGGWQLAWKWS ERQGEDGKKEGGFKRIY LHQEGVADSRGSVVS LPPGGDATQGG
SEQ ID NO: 16	-----
SEQ ID NO: 32	STDIGGGWQLAWKWS EKEGEGENRKEGGFKRVIYLHQEGVPGSRRGSIVSLPGGDDVFEG-S
SEQ ID NO: 37	SMGIGGGWQLAWKWT EREGADGEKEGGFQRIY LHEEGVTDRRGSILSLPGGD--VPPGG

FIGURE 1E

SEQ ID NO: 29	DFVQASALVSQPALYSKDLLKEH-TIGPAMVHPSETT-KGSIWHDLDHPGVKRALVVGVG
SEQ ID NO: 2	EFVHAAALVSQSALFSKGLAEPRMS-DAAMVHPSEVAAGSRWKDLFEPGVRRALLVGVG
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	EFVQAAAALVSQPALYSKELIDGH-PVGPAMVHPSETASKGPSWKALLEPGVKHALVVGVG
SEQ ID NO: 10	EWVQAAAALVSQPALYNEDLMRQR-PVGPAMIHPSETIAKGPSWDLFEPGVKHALIVGVG
SEQ ID NO: 12	-----
SEQ ID NO: 14	GFIHAAALVSHSALYSKDLMEERMAAGPAMIHPLEAAPKGSIWKDLFEPGVRRALFVGVG
SEQ ID NO: 16	-----
SEQ ID NO: 32	EFVHAAALVSQSALFSKGLAEPRMS-DAAMVHPSEVAAGSRWKDLFEPGVRRALLVGVG
SEQ ID NO: 37	EFVQAAAALVSQPALYSKELMEQRLA-GPAMVHPSEQAVAKGPKWADLFEPGVKHALFVGIG
SEQ ID NO: 29	LQILQQFSGINGVLYYTPQILEQAGVGILLSNMGISSSSASALLISALTTFVMLPAIAVAM
SEQ ID NO: 2	IQILQQFAGINGVLYYTPQILEQAGVAVILSKFGLSSASASILISSLTLLMLPCIGFAM
SEQ ID NO: 4	-----
SEQ ID NO: 6	-----
SEQ ID NO: 8	IQILQQFSGINGVLYYTPQILEEAGVEVLLSDIGIGSESASFLLISAFITFILMLPCIGVAM
SEQ ID NO: 10	MQILQQFSGINGVLYYTPQILEQAGVGYLSSLGLGSTSSSFLISAVTTLLMLPCIAIAM
SEQ ID NO: 12	-----
SEQ ID NO: 14	IQMLQQFAGINGVLYYTPQILEQAGVAVLLSNLGLSSASASILISSLTLLMLPSIGVAM
SEQ ID NO: 16	LQILQQFAGINGVLYYTPQILEQAGVGVLISNIGLSSSSASILISALTLLMLPSIGIAM
SEQ ID NO: 32	IQILQQFAGINGVLYYTPQILEQAGVAVILSKFGLSSASASILISSLTLLMLPCIGFAM
SEQ ID NO: 37	IQILQQFAGINGVLYYTPQILEQAGVGVLINIGLSSSSASILISGLTLLMLPSIGIAM

FIGURE 1F

SEQ ID NO:29	RLMDLSGRRRTLLLTIPILIASLLVLVISNLVHMNSIVHAVLSTVSVVLYFCFFVVMGF
SEQ ID NO:2	LPMDLSGRRRFLLLGTIPILIASLVILVVSNIIDLGLTAHALLSTISVIVYFCCFVVMGF
SEQ ID NO:4	-----
SEQ ID NO:6	-----ILVNILDVGTMVHASLSTVSVILYFCFFVVMGF
SEQ ID NO:8	KLMDVSGRRQLLLTIPVLIVSLIILVIGSLVNFVNAHAAISTVCVVVYFCCFVVMGY
SEQ ID NO:10	RLMDISGRRRTLLLTIPVLIAALLILVLSLVDLSTANASISTISVIVYFCCFVVMGF
SEQ ID NO:12	-----
SEQ ID NO:14	RLMDISGRRRFLLLGTIPILIASLIVLGVNVINLSTVPHAVLSTVSVIVYFCCFVVMGF
SEQ ID NO:16	RLMDMSGRRRFLLLTIPVLIVAVLVLVNVLDVGTMVHAALSTISVIVYFCCFVVMGF
SEQ ID NO:32	LLMDLSGRRRFLLLGTIPILIASLVILVVSNIIDLGLTAHALLSTVSVIVYFCCFVVMGF
SEQ ID NO:37	RLMDMSGRRRFLLTATIPILIVAAAILLVNILDVGTMVHASLSTVSVILYFCFFVVMGF
SEQ ID NO:29	APNILCSEIFPTRVRGICIAICALTFWICDIIVTYSPLPVLLKSLAGVFGMYAIVCCIS
SEQ ID NO:2	IPNILCAEIFFPTRVRGLCIACAFTFWIGDIIVTYSPLPVMNAIGLAGVFSIYAVVCLIS
SEQ ID NO:4	-----
SEQ ID NO:6	IPNILCAEIFFPTRVRGICIAICALTFWIGDIIVTYSPLPVMNAIGLAGVFGIYAVVCILA
SEQ ID NO:8	IPNILCSEIFFPTRVRGLCIAICALVFWIGDIIVTYSPLPVMGLSLGLGVFAIYAVVCFIS
SEQ ID NO:10	IPNILCAEIFFPTRVRGLCIAICALTFWICDIIVTYSPLPVMNSVGLAGVFGIYAVVCFIA
SEQ ID NO:12	-----
SEQ ID NO:14	IPNILCAEIFFPTRVRGVCIAICALTFWICDIIVTYSPLPVMNAIGLAGVFGIYAVVCCIA
SEQ ID NO:16	IPNILCAEIFFPTRVRGICIAICALTFWIGDIIVTYSPLPVMNAIGLAGVFGIYAVVCILA
SEQ ID NO:32	IPNILCAEIFFPTRVRGLCIACAFTFWIGDIIVTYSPLPVMNAIGLAGVFSIYAVVCLIS
SEQ ID NO:37	IPNILCAEIFFPTRVRGICIAICALTFWIGDIIVTYSPLPVMNAIGLAGVFGIYAVVCILA

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FIGURE 1G

SEQ ID NO: 29	WVFVFIKVPETKGMPLEVITEFFSVGARQAEAAKNE
SEQ ID NO: 2	FVFVFLKVPETKGMPLEVITEFFFAVGAKQ-AAAK-A
SEQ ID NO: 4	-----
SEQ ID NO: 6	FLFVFMKVPETKGMPLEVITEFFSVGAKQ-AKE--D
SEQ ID NO: 8	WIFVFLKVPETKGMPLEVISEFFSVGAKQAAAKNE
SEQ ID NO: 10	WVFVFLKVPETKGMPLEVIEFFSVGAKQFDDAKHN
SEQ ID NO: 12	-----
SEQ ID NO: 14	FVFVYLKVPETKGMPLEVITEFFFAVGAKQ-AQATIA
SEQ ID NO: 16	FVFVYMKVPETKGMPLEVITEFFSVGAKQ-GKEATD
SEQ ID NO: 32	FVFVFLKVPETKGMPLEVITEFFFAVGAKQ-AAAK-A
SEQ ID NO: 37	FLFVFMKVPETKGMPLEVITEFFSVGAKQ-AKE--D

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FIGURE 2A

SEQ ID NO: 30	MSE-----GTNKAMSDPPPTTASKVIAD-----
SEQ ID NO: 18	SR-----AQSEPSTMASAP-----
SEQ ID NO: 20	M-----ASDE-----
SEQ ID NO: 22	-----MASAA-----
SEQ ID NO: 24	MTE-----GK-----LVEA-----AEAHTLQD-----
SEQ ID NO: 26	-----MDRAA-----
SEQ ID NO: 28	MKM-----SPERKGAEDKEEGSRMASAA-----
SEQ ID NO: 38	M-----SFRGE-----ESGGEDG-----GRTASASDLRKPFLL
SEQ ID NO: 36	M-----GGG-----SNRGG-----AGAGEES-----G-SDHDGVLRPPLL
SEQ ID NO: 30	-----F-DPLKKPPK-----RN---K---FAFACATLASMTSVLLGYDIG
SEQ ID NO: 18	-----L--PAAIEPG-----KKGNVK-----FAFACXILASMTSILLGYDIG
SEQ ID NO: 20	-----LAK--AVEPR-----KKGNVK-----YASICAILASMASVILGYDIG
SEQ ID NO: 22	-----L--PEAVAPK-----KKGNVK-----FAFACAILASMTSILLGYDIG
SEQ ID NO: 24	-----F-DPPKKR-K-----RN---K---YAFACAILASMTSILLGYDIG
SEQ ID NO: 26	-----L--PAAVEPK-----KKGNVK-----FAFACAILASMTSILLGYDIG
SEQ ID NO: 28	-----LPEPGAVHPR-----NKGNFK---YAFTCALCASMATIVLGYDVG
SEQ ID NO: 38	HT--GSWYKMSAGGGGGMGSRGLGSSAYSRLDSSVSAVLCTL----IVALGPIQFGFTCG
SEQ ID NO: 36	NT--GSWYRMSSRQSSFAPGT---SSMAVLRESHVSAFLCTL----IVALGPIQFGFTSG
SEQ ID NO: 30	VMGAAIYILKEDWHISDTQI-----GVLVGILNIYCLFGSFAAGRTSDWIGRRYTIVLAGA
SEQ ID NO: 18	VMGASLYIKKDLKISDVKL-----EILMGILNVYSLIGSXAAGRTSDWIGRRXTIVFAAV
SEQ ID NO: 20	VMGGAAMYIKKDLNITDVQL-----EILGILSLYSLFGSFAGARTSDRIGRRLTIVFAAV
SEQ ID NO: 22	VMGASLYIKKDFNISDGKV-----EVLMGILNLYSLIGSFAAGRTSDWIGRRYTIVFAAV
SEQ ID NO: 24	VMGAAIYIKRDLKVSDEQI-----EILGILNLYSLIGSCLAGRTSDWIGPRYTIVFAGT
SEQ ID NO: 26	VMGASLYIQKDLKINDTQL-----EVLMGILNVYSLIGSFAAGRTSDWIGRRFTIVFAAV
SEQ ID NO: 28	VMGASLYIKRDLQITDVQL-----EIMMGILSVYALIGSFLGARTSDWVGRRVTIVFAAA
SEQ ID NO: 38	FSSPTQDAIISDLGLT-----LSEFSLFGSLSNVGAMVGAIASGQIAEYIGRKGSMLMIAAI
SEQ ID NO: 36	FSSPTQDAMVRDLNLS-----ISEFSAFGSLSNVGGMVGAIASGQMAEYIGRKGSMLMIAAI

SEQUENCE

FIGURE 2B

SEQ ID NO: 30	IFFVGALLMGFATNYAFLMVGRFVTGIGVGAYALMIAPVYTAEVSPASSRGFLTTSFPEVFI
SEQ ID NO: 18	IFFAGAXLMGFVAVNYWLMFGRFVAGIGVGAYALMIATVYTAEVSPXSARGFLTTSFPEVFI
SEQ ID NO: 20	IFFVGSLLMGFAVNYGMLMAGRFVAGVGVGGMIAPIVYTAETSPASRGFLTTSFPEVFI
SEQ ID NO: 22	IFFAGXFLMGFAVNYAMLFGFRFVAGIGVGAYALMIAPVYTAEVSPASARGFLTTSFPEVFI
SEQ ID NO: 24	IFFVGALLMGFSPNYSFLMFGFRFVAGIGVGAYALMIAPVYTAEVSPASSRGFLTTSFPEVFI
SEQ ID NO: 26	IFFAGALIMGFSVNYAMLFGFRFVAGIGVGAYALMIAPVNTGEVSPASARGVLTTSFPEVFI
SEQ ID NO: 28	IFNNGSLLMGFAVNYAMLVGFRFVTGIGVGAYIMVAPVYTPVSPASARGFLTTSFTEVFI
SEQ ID NO: 38	PNIIGWLAIISFAKDSSEFLFMGRLLLEGFGVGVISYVVPVYIAEIAIQTMRGALGSVNQLSV
SEQ ID NO: 36	PNIIGWLAIISFAKDSSEFLFMGRLLLEGFGVGIIISYTPVYIAEISPNMRGALGSVNQLSV
SEQ ID NO: 30	NAGILLGYISNLAFFSSLPTHLSWRFMLGIGAIPSIFLAIGVLAMPESPRWLVMQGRLGDA
SEQ ID NO: 18	-----
SEQ ID NO: 20	NIGILLGYLSNFAFARLPLHLGWRVMLAIGAVPSGLLALLVFCMPESPRWLVLKGRLLADA
SEQ ID NO: 22	NFGILLGYVSNYAFSRLPLNLGWRIMLGIGAAPSALLALMVLGMPESPRWLVKGRLLADA
SEQ ID NO: 24	NGGILIGYISNYAFSKLTCLKVGRWMLGVGAIPSVLLTVGVLAMPESPRWLVKGRLLGEA
SEQ ID NO: 26	NFGILLGYVSNFAFARLSRLGWRIMLGIGAVPSVLLAFMVLGMPESPRWLVKGRLLADA
SEQ ID NO: 28	NVGILLGYVSNYAFARLPLHLSWRVMLGIGAVPSALLALMVFGMPESPRWLVKGRLLADA
SEQ ID NO: 38	TIGILLAYLLGMFVP-----WRILSVLGILPCSILIPGLFFIPESPRWLAKMGKMEDE
SEQ ID NO: 36	TFGIFLAYLLGMFIP-----WRLLAVIGALPCTMLIPGLFFIPESPRWLAKMNLTEDC
SEQ ID NO: 30	KKVLNRISDSPEEAQLRLSEIKQTAGIPAECEDEIYKVEKTIKSGNA-VWKELFFNPTP
SEQ ID NO: 18	-----
SEQ ID NO: 20	RAVLEKTSATPEEAAERLADIKAAAGIPKGLDGDVVTPGKEQGGELQVWKKLILSPTP
SEQ ID NO: 22	KVVLEKTSDTAEAAERLADIKAAAGIPEELDGDVVTPK-RSGNEKRVWVKELILSPTP
SEQ ID NO: 24	RKVLNKTSDSKEEAQLRLAEIKQAAGIPESCNDDVVQVKNQS--NNEG-VWKELFLYPTP
SEQ ID NO: 26	KVVLAKTSDTPEEAAERLADIKTAAGIPLGLDGDVVVPKKNKGSSEKRVLKDILSPTI
SEQ ID NO: 28	RAVIAKTSDTPEEAAVERLDQIKAAAGIPRELDDVVVMP-KTKGQGEKQVWVKELIFSPTP
SEQ ID NO: 38	ESSLQ-----VLRGFETDIAVEVN-EIKRSV-----QSSRRRTTIRFADIK---QK
SEQ ID NO: 36	ETSLQ-----VLRGFETDITTEVN-DIKRAV-----ASSSKRTTISFQELN---QK

FIGURE 2C

SEQ ID NO:30	AVRRAVIAIGIGHFFQQAAGIDAVVLYSPRIFQAGITNARKQLLATVAVGVVKTLLFILV
SEQ ID NO:18	-----
SEQ ID NO:20	AVRRILLSAVGLHFFQQAAGSDSVVQYSARLFKSAGITDDNKLGLGVTCAVGVTKTFILV
SEQ ID NO:22	AMRRILLSGIGIGHFFQHALGIHSVVFYSPLVFKSPGLTNDKHFLGTTPFGVTKRLLFILL
SEQ ID NO:24	AIRHIVIAALGIHFFQQAAGSDAVVLYSPRIFEFKAGITNDTHKLLATVAVGVVKTVFILA
SEQ ID NO:26	AMRHILLAGIGIGHFFQQAAGSDAVVLYSPLVFKSAGITGDSRLRGTTVAVGATNTVFILV
SEQ ID NO:28	AMRRILLAAALGIHFFQQAAGSDSVVLYSPRVFQAGITGDNHLLGATCAMGVMTLLFILV
SEQ ID NO:38	RYSVPLMVGIGLLVLQQLSGVNGILFYAASIFKAAGLTNSN---LATFGLGVVQVVATGV
SEQ ID NO:36	KYRTPLLLGIGLLVLQNLSGINGVLFYASSIFKAAGVNTSD---LATCSLGAIQVLAATGV
SEQ ID NO:30	ATFQLDKYGRRRPLLLTTSVGGMIIAILTLAMSLTVID-HSHHKITWAI--ALCITMVCAVV
SEQ ID NO:18	-----
SEQ ID NO:20	ATFLLDRAAGRRRPLLLISTGGMIVSLICLGSGLTVAGHHPTKVAVAV--ALCIASTLSYI
SEQ ID NO:22	ATFFIDGVGRRRPLLLGSTGGIILSLIGLGAGLTVVGQHPDAKIPWAI--GLSIASTLAYV
SEQ ID NO:24	ATFTLDRVGRRRPLLLSSVGGMVLSTLTAISLTVID-HSERKLMWAV--GSSIAMVLAYV
SEQ ID NO:26	ATFLLDRIIRRRPLVLTSTGGMLVSLVGLATGLTVISRHPDEKITWAI--VLCIFCINAYV
SEQ ID NO:28	ATFQLDRVGRRRPLLLTSTAGMLACLI GLGTGLTVVGRHPDAKVPWAI--GLCIVSILAYV
SEQ ID NO:38	TTWLTDKAGRRLLIIISTTGMTITLVVSVSFFVKDNITNGSHLYSVMSMLSLVGLVAFV
SEQ ID NO:36	TTWLLDRAGRRILLIISTSGMTLCLLAVSVVFFLKDNI SQDSNSYYILTMISLVGIVSEV
SEQ ID NO:30	ASFSIGLGPITWVYSSEVFPLRLRAQGTSMGVAVNRVVSGVISIFFLPLSHKITTGGAFF
SEQ ID NO:18	-----
SEQ ID NO:20	AFFSIGLGPITGVYTSEIFPLQVRALGFVAVGASNRVTSAVISMTFLSLSKAITIGGSFF
SEQ ID NO:22	AFFSIGLGPITWVYSSEIFPLQVRALGCSLGVAAANRVTSGVISMFTFLSLSKAITIGGSFF
SEQ ID NO:24	ATFSIGAGPITWVYSSEIFPLRLRAQGAAGAVANRTTSAVVSMTFLSLTRAITIGGAFF
SEQ ID NO:26	AFFSIGLGPITWVYSSEIFPLHVRALGCSLGVAVNRLTSGVISMTFISLSKAMTIGGAFF
SEQ ID NO:28	SFFSIGLGPLTSVYTSEVFPLRVRALGFALGTSCNRVTSAAVSMTFLSLSKAITIGGSFF
SEQ ID NO:38	ISFSLGLGAIPWILMSEILPVNIKSLAGSVATLANWLTAWLITMT-ASLMLSWSNNGGTFA
SEQ ID NO:36	ITFSFGMGAI PWLMMSIILPVSIKSLGGSIALANWLTSEFAITMT-TNLMLTWSVSGGTFL

FIGURE 2D

SEQ ID NO:30	LEGGIAIAWFFFLFLPETRGR-TLENMHELFEFRWRESFPGNKSNNDENSTRKQNSG
SEQ ID NO:18	-----
SEQ ID NO:20	LYSGIAAVAVWFFFTCLPETRGR-TLEEMGKLFGM-----PDTGMAEEAED
SEQ ID NO:22	LYSGIAALAWVFFTYLIPETRGR-TLEEMSKLFGD-----TAAASESDEPA
SEQ ID NO:24	LYCGIATVGWIFFYTVLPETRGR-TLEDMEGSFGTFRSKSN--ASKAVENENG-----
SEQ ID NO:26	LFAGIASFAWVFFAYLPETRGR-TLEDMSLFGN-----TATHKQGAAEA
SEQ ID NO:28	LYAGIAAIGWIFFFTFIPETRGL-PLLEEIGKLFGM-----TDTAVEAQDTA
SEQ ID NO:38	IYAAVCAGTLVFVCLWVPETKGR-TLEEI--AF-----
SEQ ID NO:36	SYMVVSFTIVFVVLWVPETKGXNSRGDT--IFVSLSIQRQLQ-----
SEQ ID NO:30	NDKSQVQLGETTSTTVTNDNH
SEQ ID NO:18	-----TS-----
SEQ ID NO:20	A-AAKEKVVVELPSSK-----
SEQ ID NO:22	KEK---KKVEMAATN-----
SEQ ID NO:24	-QVAQVQLG-----TNVQT
SEQ ID NO:26	DDDAGEKKVEMAATN-----
SEQ ID NO:28	T-KDKAKVGEM--N-----
SEQ ID NO:38	-----SFR
SEQ ID NO:36	-----WLPECLS